

10/521584

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Patent Application of:
Dr. Andreas Reindl

Examiner: Not Yet Assigned
Group Art Unit: Not Yet Assigned

Serial No.: To be assigned

Filing Date: Concurrently herewith

For: NADH-DEPENDENT CYTOCHROME B5
REDUCTASE AS TARGET FOR HERBICIDES

**INFORMATION DISCLOSURE
STATEMENT UNDER 37 C.F.R. § 1.97 & 1.98**

MS Amendment
Commissioner for Patents
P.O. Box 1450
Alexandria, Virginia 22313-1450

Dear Sir:

Pursuant to 37 C.F.R. §1.97 and § 1.98, Applicant submits for consideration in the above-identified application the documents listed on the attached Form PTO/SB/08a/b. Copies of foreign documents and non-patent literature are submitted herewith. The Examiner is requested to make these documents of record.

This Information Disclosure Statement is submitted with the application; accordingly, no fee or separate requirements are required.

Applicant would appreciate the Examiner initialing and returning the Form PTO/SB/08a/b, indicating that the information has been considered and made of record herein.

Application No: Not yet assigned

Atty. Docket No.: 532622010100

10/521584

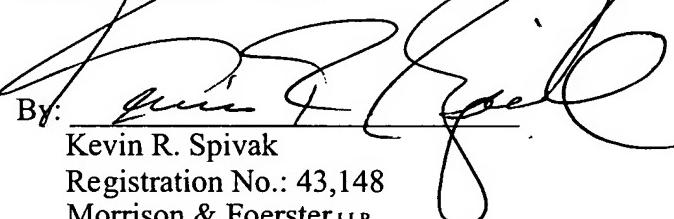
The information contained in this Information Disclosure Statement under

37 C.F.R. § 1.97 and § 1.98 is not to be construed as a representation that: (i) a complete search has been made; (ii) additional information material to the examination of this application does not exist; (iii) the information, protocols, results and the like reported by third parties are accurate or enabling; or (iv) the above information constitutes prior art to the subject invention.

In the unlikely event that the transmittal form is separated from this document and the Patent Office determines that an extension and/or other relief (such as payment of a fee under 37 C.F.R. § 1.17 (p)) is required, Applicants petition for any required relief including extensions of time and authorize the Commissioner to charge the cost of such petitions and/or other fees due in connection with the filing of this document to **Deposit Account No. 03-1952** referencing 532622010100.

Dated: January 18, 2005

Respectfully submitted,


By:

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| Substitute for form 1449/PTO | | | | Complete if known 10/521584 | |
| INFORMATION DISCLOSURE STATEMENT BY APPLICANT | | | | Application Number | To be assigned |
| (Use as many sheets as necessary) | | | | Filing Date | Concurrently herewith |
| | | | | First Named Inventor | Dr. Andreas Reindl |
| | | | | Art Unit | Not yet assigned |
| | | | | Examiner Name | Not yet assigned |
| Sheet | 1 | of | 2 | Attorney Docket Number | 532622010100 |

| U.S. PATENT DOCUMENTS | | | | | |
|-----------------------|-----------------------|--|--------------------------------|--|---|
| Examiner Initials* | Cite No. ¹ | Document Number | Publication Date MM-DD-YYYY | Name of Patentee or Applicant of Cited Document | Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear |
| | | Number-Kind Code ² (if known) | | | |
| 1. | | 5,187,071 | 2/16/1993 | Fischer et al. | |

| FOREIGN PATENT DOCUMENTS | | | | | |
|--------------------------|-----------------------|---|--------------------------------|--|---|
| Examiner Initials* | Cite No. ¹ | Foreign Patent Document | Publication Date MM-DD-YYYY | Name of Patentee or Applicant of Cited Document | Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear |
| | | Country Code ³ -Number ⁴ -Kind Code ⁵ (if known) | | | |
| 2. | | WO-98/33925-A1 | 8/6/1998 | Yale University | |
| 3. | | WO-00/77185-A2 | 12/21/2000 | Novartis AG | |
| 4. | | WO-01/38484-A2 | 5/31/2001 | BASF Plant Science GMBH | |

*EXAMINER: Initial if information considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant. ¹Applicant's unique citation designation number (optional). ²See Kinds Codes of USPTO Patent Documents at www.uspto.gov or MPEP 901.04. ³Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). ⁴For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. ⁵Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 16 if possible. ⁶Applicant is to place a check mark here if English language Translation is attached.

| NON PATENT LITERATURE DOCUMENTS | | | | | |
|---------------------------------|-----------------------|--|--|--|--|
| Examiner Initials | Cite No. ¹ | Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published | | | |
| 5. | | The Arabidopsis Genome Initiative. "Analysis of the Genome Sequence of the Flowering Plant <i>Arabidopsis Thaliana</i> ," Nature, Vol. 408, December 14, 2000, pp. 796-815 | | | |
| 6. | | Nicolas Bouché et al. "Arabidopsis Gene Knockout: Phenotypes Wanted," Current Opinion in Plant Biology, 2001, pp. 111-117 | | | |
| 7. | | Masako Fukuchi-Mizutani et al. "Microsomal Electron Transfer in Higher Plants: Cloning and Heterologous Expression of NADH-Cytochrome b ₅ Reductase from <i>Arabidopsis</i> ," Plant Physiology, January 1999, Vol 199, pp. 353-361 | | | |
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| 10. | | Sighart W. Golf et al. "Properties and Biochemical Characterization of NADH 5α-Reductase from Rat Liver Microsomes," Biol. Chem. Hoppe-Seyler, Vol. 366, July 1985, pp. 647-653 | | | |
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| 12. | | P. A. Covitz et al. "Expressed Sequence Tags from a Root-Hair-Enriched <i>Medicago Truncatula</i> cDNA Library," located at www.ebi.ac.uk/cgi-bin/dbfetch visited on November 12, 2004, 2 pages | | | |
| 13. | | Peter A. Covitz et al. "Expressed Sequence Tags from a Root-Hair-Enriched <i>Medicago Truncatula</i> cDNA Library," Plant Physiol., Vol. 117, 1998, pp. 1325-1332 | | | |
| 14. | | H. J. Bohnert et al. "Functional Genomics of Plant Stress Tolerance," located at www.ebi.ac.uk/cgi-bin/dbfetch visited on November 12, 2004, 2 pages | | | |
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| Examiner Signature | Date Considered |
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ALTERNATIVE TO PTO/SB/08a/b (06-03)

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| Substitute for form 1449/PTO | | | | <i>Completed if Known</i> | |
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| | | | | Not yet assigned | |
| | | | | Examiner Name | |
| | | | | Not yet assigned | |
| Sheet | 2 | of | 2 | Attorney Docket Number | 532622010100 |

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| | 21. | Kearns et al. Spektrum Akademischer Verlag Heidelberg, Berlin, Oxford., 1991, pp. 750-751 | |

*EXAMINER: Initial if information considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

¹Applicant's unique citation designation number (optional). ²Applicant is to place a check mark here if English language Translation is attached.

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